



# NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090174

**Mode:** Highway

**Status:** Submitted

## NC-16

**From/Cross Street:** US 221/NC 88

**Specific Improvement Type:** 16 - Modernize Roadway

**To:** Virginia State Line

**Project Category:** Regional Impact

**Length:** 13.53

**TIP#:** R-4058

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$54,036,000

### Description:

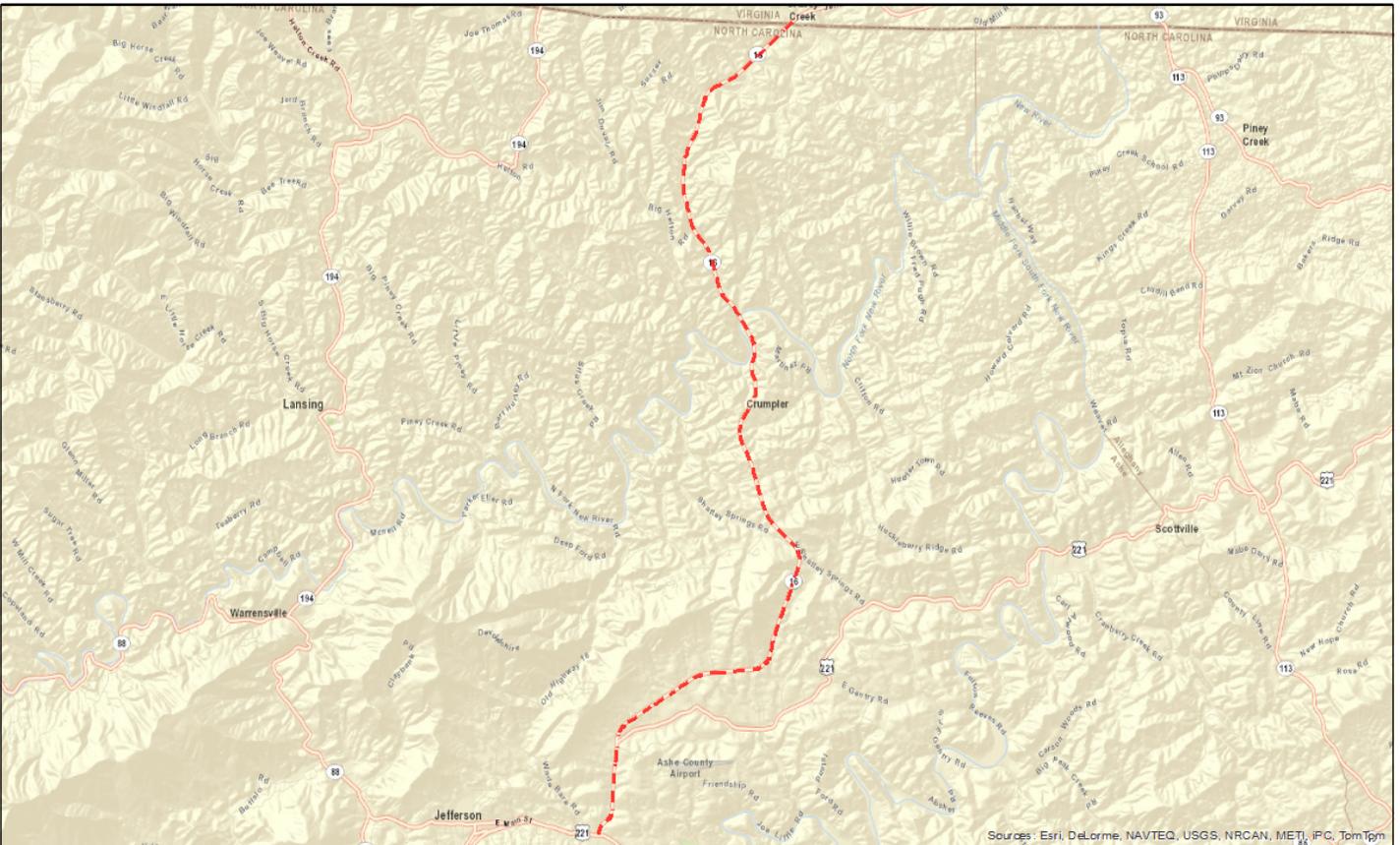
US 221/NC 88 in Jefferson to the Virginia State Line. Upgrade Roadway.

**Division(s):** Division 11

**County(s):** ASHE

**MPOS(s)/RPO(s):** High Country RPO

### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 12.98	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 36.46		
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 8.03		
<b>Totals: Weight: 70% Weighted Score: 7.69</b>		

**Division Needs Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 12.98	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 36.46		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 6.24</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles);	13.53
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3044.15
Capacity:	15533.63
Volume/Capacity Ratio:	0.2
% Autos:	91%
% Trucks:	9%
Truck Volume:	274.87
Crash Density:	37.64
Crash Severity:	33.65
Critical Crash Rate:	38.1
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	81
Actual Congested Speed:	48.51
Travel Time Index:	1.09

**Project Benefits**

Project Cross-Section:	
Speed Limit:	54
Length (miles):	13.53
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
High Country RPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$54,036,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$54,036,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$54,036,000</b>	